

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A plasma picture screen comprising:

a front plate that includes a transparent plate on which a dielectric layer having a first dielectric constant and a protective layer are provided,

a carrier plate that includes a phosphor layer, with a ribbed structure subdividing the space between the front plate and the carrier plate into plasma cells filled with a gas,

one or several electrode arrays on the front plate and the carrier plate for generating corona discharges in the plasma cells, and

a powder layer having a second dielectric constant between the electrode arrays on the front plate and the electrode arrays on the carrier plate,

wherein the second dielectric constant is substantially less than the first dielectric constant, thereby reducing a discharge capacitance of the plasma cells.

2. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer is provided on the protective layer.

3. (Previously presented) The plasma picture screen of claim 2, wherein the powder layer is provided in strip-shaped sections on the protective layer.

4. (Previously presented) The plasma picture screen of claim 3, wherein the strip-shaped sections of the powder layer are provided such that they each lie opposite an intervening space between pairs of respective discharge electrodes.

5. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer includes a composition of powder material and matrix material, and a density of the powder layer is $\leq 60\%$ of a density of the powder material.
6. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer includes a material chosen from the group of dielectric materials and phosphors.
7. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer includes a non-phosphor dielectric material.
8. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer includes material that reflects UV radiation.
9. (Previously presented) The plasma picture screen of claim 1, wherein the powder layer includes material that emits UV radiation.
10. (Previously presented) The plasma picture screen of claim 9, wherein the powder layer includes a plurality of materials that each emit a different color of visible light.

11. (Currently amended) A plasma display comprising:

a front plate that includes a transparent plate on which a first dielectric layer having a first dielectric constant and a protective layer are provided,

a carrier plate that includes a phosphor layer, with a ribbed structure subdividing the space between the front plate and the carrier plate into plasma cells filled with a gas,

one or several electrode arrays on the front plate and the carrier plate for generating corona discharges in the plasma cells, and

a second dielectric layer having a second dielectric constant that is substantially lower than the first dielectric constant that is situated between the electrode arrays on the front plate and the electrode arrays on the carrier plate ~~that extends into a region between the electrode arrays on the front plate and the electrode arrays on the carrier plate so as to affect,~~ thereby reducing a capacitance between the electrode arrays on the front plate and the electrode arrays on the carrier plate.

12. (Currently amended) The plasma display of claim 11, wherein

the second dielectric layer includes strip-shaped segments that overlap at least a portion of the electrode arrays on the carrier plate.

13. (Currently amended) The plasma display of claim 11, wherein

the second dielectric layer includes strip-shaped segments that overlap at least a portion of the electrode arrays on the front plate.

14. (Currently amended) The plasma display of claim 11, wherein

the second dielectric layer includes a non-phosphor oxide.

15. (Currently amended) The plasma display of claim 11, wherein

the second dielectric layer includes a powder.

16. (Currently amended) The plasma display of claim 11, wherein
the second dielectric layer includes a material that reflects UV radiation.
17. (Currently amended) The plasma display of claim 11, wherein
the second dielectric layer includes a material that emits UV radiation.
18. (Currently amended) The plasma display of claim 11, wherein
the second dielectric layer includes a material that emits visible light.
19. (Currently amended) The plasma display of claim 11, wherein
the second dielectric layer includes a first material that emits light of a first color and a second material that emits light of a second color.
20. (Currently amended) The plasma display of claim 11, wherein
the ~~dielectric layer exhibits an effective~~ second dielectric constant is less than 5.
21. (New) The plasma display of claim 11, wherein the second dielectric layer is less than 20 μ m thick.
22. (New) The plasma picture screen of claim 1, wherein the powder layer is less than 20 μ m thick.